

WHAT IS CLAIMED IS:

1. A waste high-pressure fluid processing method, comprising the steps of:
 bringing a high-pressure fluid into contact with a processing object in a high-pressure processing vessel;
 decompressing said waste high-pressure fluid accompanied with unnecessary materials on said processing object into a waste medium-pressure fluid;
 refining preliminarily said waste medium-pressure fluid which is provided to a separating means including packing materials; and
 dealing with ingredients obtained through the preliminary refinement, comprising the steps of;
 draining liquid ingredients with said unnecessary materials out of a system, and
 refining gas ingredients by an adsorbing means including adsorbents.
2. The waste high-pressure fluid processing method according to Claim 1, comprising the additional step of providing said waste medium-pressure fluid to said separating means once after storing in a reservoir tank provided upstream said separating means.
3. The waste high-pressure fluid processing method according to Claim 2, comprising the additional step of providing gas ingredients, which are obtained by dividing a part or all of said waste medium-pressure fluid stored in said reservoir tank into gas and liquid ingredients, to said separating

means.

4. The waste high-pressure fluid processing method according to Claim 1, comprising the additional step of providing gas ingredients, which are obtained by dividing a part or all of said waste medium-pressure fluid precedently into gas and liquid ingredients, to said separating means.

5. The waste high-pressure fluid processing method according to Claim 1, comprising the additional step of circulating liquid ingredients, which are obtained by liquefying gas ingredients refined in said adsorbing means, in a liquefying means, back into the separating means after being pressurized.

6. The waste high-pressure fluid processing method according to Claim 1, wherein said waste high-pressure fluid get decompressed into said waste medium-pressure fluid, according to the cases of;

the pressure of said waste high-pressure fluid being its critical pressure or more, below the critical pressure; and

the pressure of said waste high-pressure fluid being 1MPa or more but less than the critical pressure, below the pressure thereof.

7. The waste high-pressure fluid processing method according to Claim 1, wherein said high-pressure fluid is carbon dioxide.

8. The waste high-pressure fluid processing method according to Claim 1, wherein said high-pressure fluid is carbon dioxide, the pressure of said waste high-pressure fluid being 7.4MPa or more, and the pressure of said waste

medium-pressure fluid being 3MPa or more but less than 7.4MPa.

9. The waste high-pressure fluid processing method according to Claim 1, wherein said packing materials have a specific surface area per unit volume of 200 - 500 m²/m³.